

**From:** [Marcela P Orlandea](#)  
**To:** [Aiello, Christine \(EGLE\)](#)  
**Subject:** RE: Question concerning change in facility ops dated May 31, 2019  
**Date:** Wednesday, March 10, 2021 10:05:25 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)

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To clarify, the FGD FWS is not a wastewater.

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**From:** Marcela P Orlandea  
**Sent:** Tuesday, March 9, 2021 3:59 PM  
**To:** Aiello, Christine (EGLE) <[AIELLOC@michigan.gov](mailto:AIELLOC@michigan.gov)>  
**Subject:** RE: Question concerning change in facility ops dated May 31, 2019

Hi Christine!!

1. *"Is FGD FSW the same as FGD WW?"* - No. We are routing the chlorinated FSW, that is currently fed to the demineralizers based on source turbidity, to the plant's Makeup Demineralizer Degassifier Ejectors. The FSW is the water that is used as source water in the FGD system. This is not the FGD wastewater created in the plant's FGD Waste Water Treatment Facility.
2. *"If not, the FGD FSW be classified as a low volume wastewater under 40 CFR 423?"* – No, it is treated surface water that is used in the FGD system.
  - a. The old system used General Service Water that was chlorinated according to the Zebra mussel chlorination plan. The water is then discharged out 001D after mixing with the Auxiliary Steam as part of the demineralizer wastewater.
  - b. The new system uses FGD FSW that is chlorinated prior to feeding to the demineralizer. The chlorine consumed before it reaches final discharge 001A.
3. *"What volume per day of FGD FSW will the facility be discharging through 001D?"*
  - a. The amount of FSW that would be utilized for the cooling water of the Makeup Demineralizer Degassifier is ~0.29 MGD.
  - b. The total amount of FGD FSW that will be discharging through 001D will vary depending on how much city water is displaced as source water to the Plant Makeup Demineralizer system. The current limit is 1.5 MGD.

Please let me know if this answers your questions.

Thank you!

Mici

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**From:** Aiello, Christine (EGLE) <[AIELLOC@michigan.gov](mailto:AIELLOC@michigan.gov)>  
**Sent:** Tuesday, March 9, 2021 3:32 PM  
**To:** Marcela P Orlandea <[marcela.orlandea@dteenergy.com](mailto:marcela.orlandea@dteenergy.com)>  
**Subject:** [EXTERNAL] RE: Question concerning change in facility ops dated May 31, 2019

Reminder concerning this question -

*Christine Aiello*

Environmental Quality Specialist  
Industrial and Storm Water Permits Unit  
Permits Section | Water Resources Division  
Michigan Department of Environment, Great Lakes, and Energy  
525 West Allegan | P.O. Box 30457 | Lansing, MI 48909  
[aiello@michigan.gov](mailto:aiello@michigan.gov) | 517.294.0984 – NEW PHONE NUMBER

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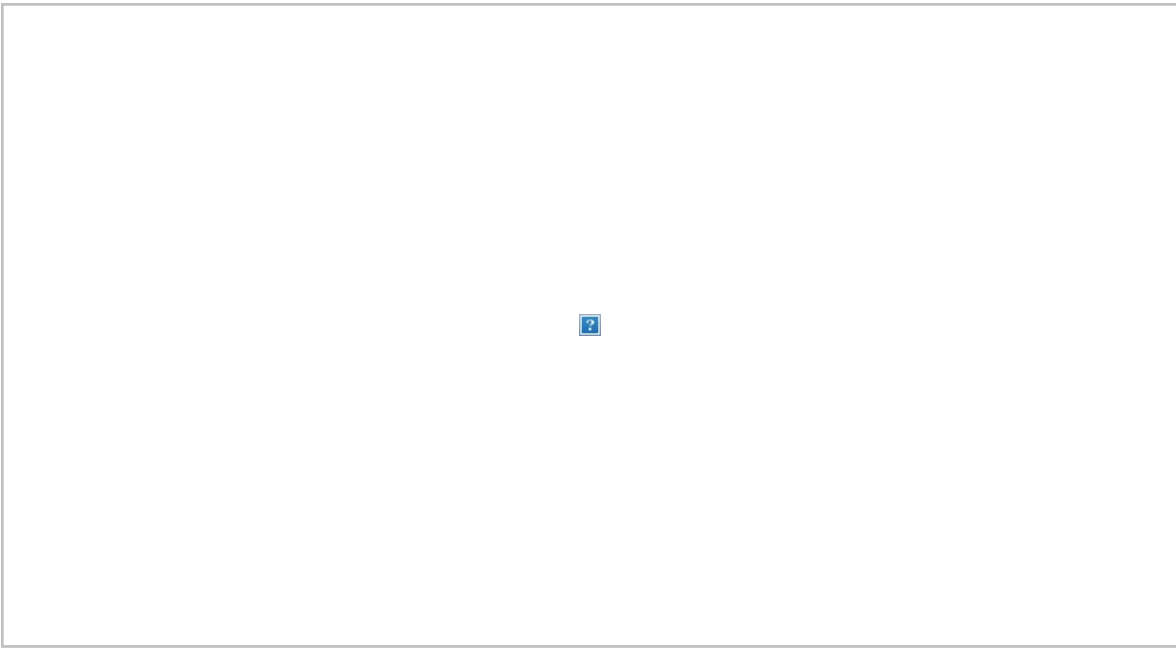


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**From:** Aiello, Christine (EGLE)  
**Sent:** Tuesday, March 9, 2021 9:16 AM  
**To:** Marcela P Orlandea <[marcela.orlandea@dteenergy.com](mailto:marcela.orlandea@dteenergy.com)>  
**Subject:** Question concerning change in facility ops dated May 31, 2019

Mici,

Is FGD FSW the same as FGD WW? If not, the FGD FSW be classified as a low volume wastewater under 40 CFR 423? (What volume per day of FGD FSW will the facility be discharging through 001D?)



*Christine Aiello*

Environmental Quality Specialist  
Industrial and Storm Water Permits Unit  
Permits Section | Water Resources Division  
Michigan Department of Environment, Great Lakes, and Energy  
525 West Allegan | P.O. Box 30457 | Lansing, MI 48909  
[aiello@michigan.gov](mailto:aiello@michigan.gov) | 517.294.0984 – NEW PHONE NUMBER

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